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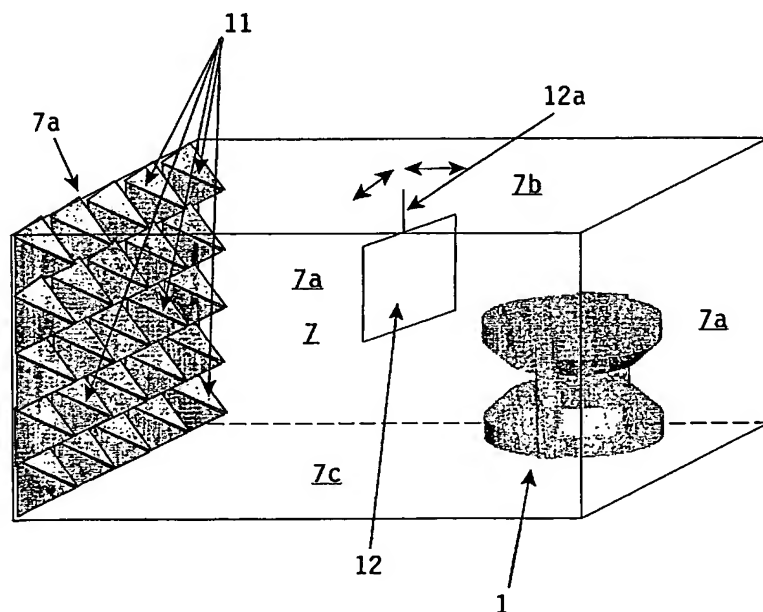
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(54) Title: SHIELDED TREATMENT ROOM AND DEVICE SUITABLE FOR RECORDING IMAGES ON THE BASIS OF
MAGNETIC RESONANCE



(57) Abstract: The invention relates to a treatment room (7) suitable for recording images of a human or animal body on the basis of a magnetic resonance (MR) imaging technique, the walls (7a), the ceiling (7b) and the floor (7c) of the treatment room forming an electromagnetic shield for a magnetic resonance (MR) imaging system (1) arranged in the treatment room, which MR imaging system comprises at least a target area (5) in which a human or animal body can be placed, a housing (2, 3, 4) comprising at least one main magnetic unit and at least one gradient magnetic unit for generating one or more magnetic fields in the target area (5), and at least one radio-frequency (RF) pulse unit (6) for generating an electromagnetic RF pulse in the target area (5). The invention further relates to a magnetic resonance imaging system comprising a target

area in which a human or animal body can be placed, a housing comprising at least one main magnetic unit and at least one gradient magnetic unit for generating one or more magnetic fields in the target area, and at least one radio-frequency (RF) pulse unit for generating an electromagnetic RF pulse in the target area. In accordance with the invention, means (10, 11, 12, 13, 14, 15, 16, 17) are present which, in operation, counteract the electromagnetic effects (8) of the RF pulse in the treatment room (7) outside the target area (5).

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